

**To:** Gravatt, Dan[Gravatt.Dan@epa.gov]; Jefferson, Matthew[jefferson.matthew@epa.gov]; Asher, Audrey[Asher.Audrey@epa.gov]  
**Cc:** Kring, Debbie[kring.debbie@epa.gov]  
**From:** Tapia, Cecilia  
**Sent:** Mon 7/22/2013 6:19:38 PM  
**Subject:** FW: WEST LAKE LANDFILL--Earthquake Sources-New Madrid Seismic Zone  
[2013CRS-Earth Risk Rpt.pdf](#)

**From:** Hatch, Sarah  
**Sent:** Monday, July 22, 2013 6:58 AM  
**To:** Hammerschmidt, Ron; Tapia, Cecilia  
**Subject:** FW: WEST LAKE LANDFILL--Earthquake Sources-New Madrid Seismic Zone

fyi

**From:** Harvey Ferdman [<mailto:HarveyFerdman@aol.com>]  
**Sent:** Friday, July 19, 2013 3:41 PM  
**To:** Hatch, Sarah  
**Cc:** [Bill.Otto@house.mo.gov](mailto:Bill.Otto@house.mo.gov)  
**Subject:** FW: WEST LAKE LANDFILL--Earthquake Sources-New Madrid Seismic Zone

Sarah,

Please forward to Dr. Brooks and the Region 7 team just in case they have not seen this recent USGS release.

Thanks,  
Harvey

Harvey Ferdman

St. Louis, MO 63017

314-469-0595

314-761-5100 (cell)

From: **Ex. 6 - Personal Privacy**  
Sent: ~~Monday, July 15, 2013, 12:13 PM~~

Hello, just some recent news about earthquake studies/research to share with you and to keep in mind. This information may update our fact based analogy because the New Madrid fault continues to be a national concern.

Ex. 6 - Personal Privacy

## ARTICLE:

### Low-Level Flights Study New Madrid Seismic Zone

Posted on July 17, 2013 at 7:13 am By: Jennifer LaVista & Heidi Koontz

[http://www.usgs.gov/blogs/features/usgs\\_top\\_story/low-level-flights-study-new-madrid-seismic-zone/](http://www.usgs.gov/blogs/features/usgs_top_story/low-level-flights-study-new-madrid-seismic-zone/)

Low-Flying Plane Hunts for Clues about New Madrid Earthquakes: Scientists are learning more about the earth under our feet by getting up in the clouds. A new study by the U.S. Geological Survey is using a low-flying plane to measure the magnetic field of the earth, which may help map and characterize shallow concealed faults associated with the New Madrid Seismic Zone....For the last 40 years, the New Madrid area has been the most seismically active region in the United States east of the Rocky Mountains, and it has a history of large magnitude earthquakes going back several thousand years. Though no knowledge of an imminent large earthquake exists, the USGS has serious concerns about the potential repeat of a destructive earthquake in the New Madrid Seismic Zone, like the remarkable earthquake sequence that occurred in the winter of 1811–1812.

When can we expect to see results? Accurate, peer-reviewed science takes time. It will require several months to a year before results from the survey are released. Stay tuned to the USGS website for new developments! To learn more about the New Madrid Seismic Zone, visit the USGS New Madrid Earthquake website.

#### **NEW GOVERNMENT RESEARCH:**

See attached document:

#### **Earthquakes: Risk, Detection, Warning, and Research**

Peter Folger, Specialist in Energy and Natural Resources Policy

July 18, 2013

Congressional Research Service

#### **OTHER:**

Saint Louis University - Saint Louis University Earthquake Center

Introduction to the New Madrid Seismic Zone

The probability for an earthquake of magnitude 6.0 or greater is significant in the near future, with a 50% chance by the year 2000 and a 90% chance by the year 2040. A quake with a magnitude equal to that of the 1811- 1812 quakes could result in great loss of life and property damage in the billions of dollars. Scientists believe we could be overdue for a large earthquake and through research and public awareness may be able to prevent such losses.

## **Ex. 6 - Personal Privacy**

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Web

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